

### This week in therapeutics

Indication	Target/marker/pathway	Summary	Licensing status	Publication and contact information
<b>Autoimmune disease</b>				
Multiple sclerosis (MS)	Not applicable	<p>Mouse studies suggest testosterone could help treat MS. In the mouse experimental autoimmune encephalomyelitis (EAE) model of MS, presymptomatic treatment with testosterone restored excitatory synaptic transmission and synaptic protein levels within the hippocampus and decreased cognitive disability and atrophy in the hippocampus compared with saline control treatment. In the same model, postsymptomatic treatment restored excitatory synaptic transmission and decreased disease severity compared with saline control treatment. Next steps include clinical testing of testosterone in men with MS.</p> <p><b>SciBX 5(37); doi:10.1038/scibx.2012.974</b> Published online Sept. 20, 2012</p>	Findings unpatented; licensing status not applicable	<p>Ziehn, M.O. <i>et al. J. Neurosci.</i>; published online Sept. 5, 2012; doi:10.1523/JNEUROSCI.2796-12.2012</p> <p><b>Contact:</b> Rhonda R. Voskuhl, University of California, Los Angeles, Calif. e-mail: <a href="mailto:rvoskuhl@ucla.edu">rvoskuhl@ucla.edu</a></p>